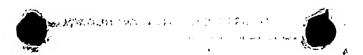
7



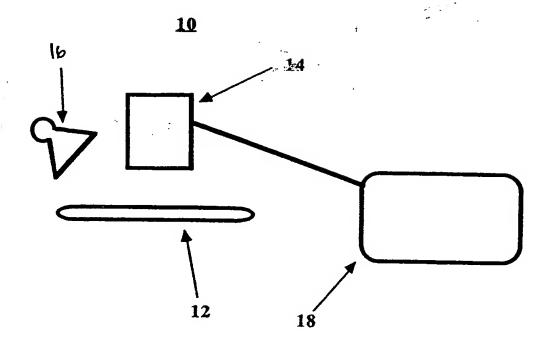


Fig 1

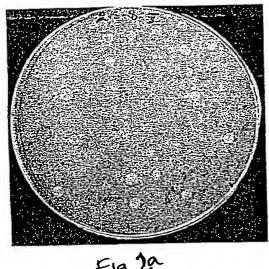
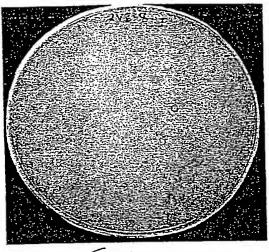


Fig 2a



Fg 26

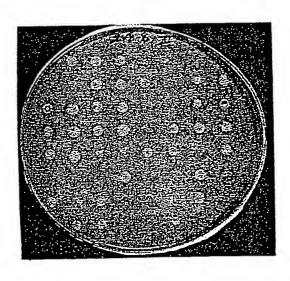


Fig2c

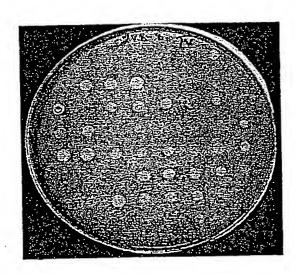
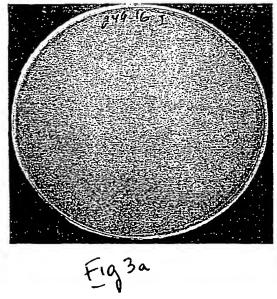
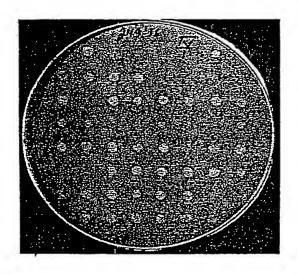


Fig 2d





F19 3d

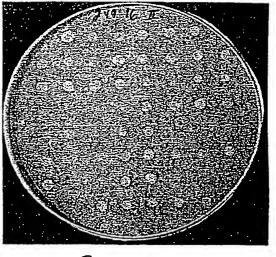


Fig 3b

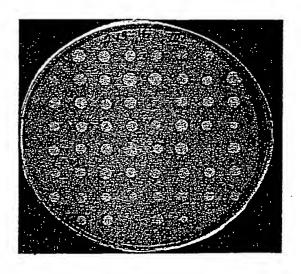
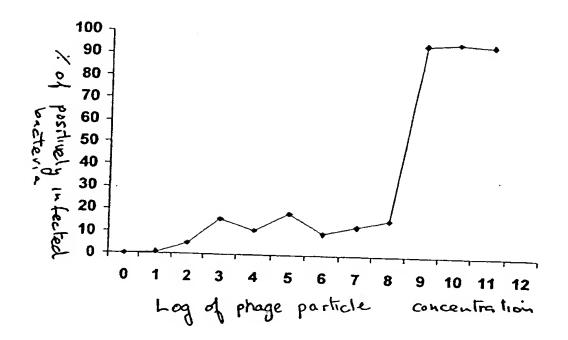


Fig 3c



FIS 4

1

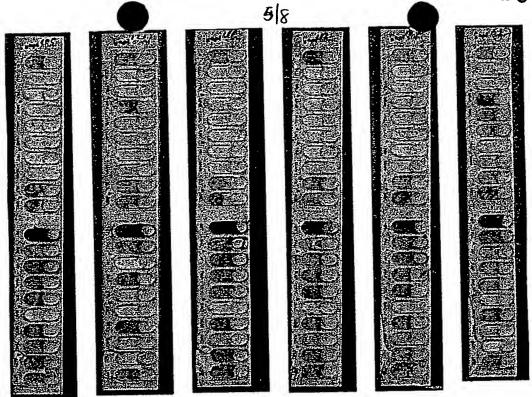
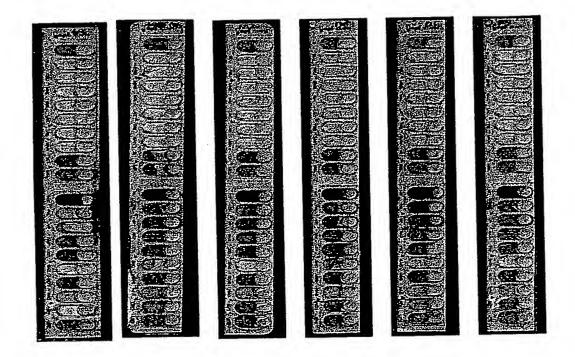


Fig 5



F196

18	
Phage pattern, # set (# of phage in the set)	Bacteria
	# API
A43, B(7,12,23), D(9,58), E41, F(61,63), G(2,3,4,5,6,7,9,10,11,12,15,16,17	105
,20,21, 23,24,25,26,27,28,29,30,32,33,34,35,36,37, 38, 39,40,41,42,43,45	6736153
,46,47,48,49,50,51,53,54,55,56,58,59,60,61,62,63),	S. aureus
H(2,3,4,5,6,7,9,10,11,12	S. aureus
[ ,13,1415,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36 ]	
37	
,38,3940,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61	
,62,63), I(2,3,4,6,7,9,49,50,52,53,54,55,58,59,61,63), <b>J</b> (28,54)	
A43, D58, F(61,62,63), G(2,4,5,6,7,9,10,12,16,17,20,21,23,24,26,27,28,29	112
,30,	6736153
32,33,34,35,36,37,38,39,40,41,42,43,45,46,47,48,50,51,54,55,56,58,59,	l '
60,61,62,63),	S. aureus
H(2,4,5,6,7,9,10,11,12,14,15,16,17,18,19,20,21,23,24,26,27,29	
30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,49,51,52,53,54,55	
,5657,58,59,60,61,62,63), I(2,3,4,6,7,9,10,49,50,52,53,54,61,63), <b>J</b> (28,54)	
A(16,43,54,55,56), B(12,17,23,56), C(15,32,36,44,45,49,54,55,61,63)	109
D(5,7,	6736153
12,41,55,56,58,61), E(24,30,32,36,41,62), F(61,62,63), G(2,3,4,5,6,7,9,10	i i
1,11	S. aureus
12,14,15,16,17,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,36,37,38,3	
9,	
40,41,42,43,45,46,47,48,49,50,51,53,54,55,56,58,59,60,61,62,63),	
H(2,4,5,	
6,7,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,	ł
32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,51,52,53,54,55,56	•
,57,58,59,60,61,62,63), I(2,3,4,6,7,9,49,50,52,53,54,55,56,58,59,61),	
J(28,52,54)	
B(12,33), F61,	122
G(2,9,16,17,21,27,32,34,35,38,41,43,45,51,54,56,58,59,60,61	6736153
62,63),	S. aureus
H(5,10,11,15,18,19,20,21,23,24,26,27,30,33,34,36,37,41,43,46,47,49	
53,54,55,56,58,59,60,63), I(2,4,6,7,49,54,58,59)	•
B(12,17,23),	
D58,F(61,62,63),G(2,3,4,5,6,7,9,10,12,15,16,17,20,21,23,24,26,	106
27,28,29,30,32,33,34,35,36,38,39,40,41,42,43,45,46,47,48,	6736153
50,51,54,56,58,59,	
60,61,62,63),	S.aureus
H(2,4,5,6,7,9,10,11,12,14,15,17,17,18,19,20,21,23,24,25,26,27	
30,33,34,35,36,37,38,39,41,46,47,49,51,53,54,55,56,58,59,61,62,63),	
[1(2,3,4,	
6,7,9,49,52,53,54,61), J(28,54)	100
A43, B(12,17,23), D58, F(61,62,63),	136
G(2,3,4,5,6,7,9,10,11,12,16,17,20,21,23,	6736153
24,26,27,28,29,30,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50	S.aureus
,51, 54 55 56 58 50 60 61 62 63)	
54,55,56,58,59,60,61,62,63), LH(2,4,5,6,7,9,10,11,12,13,14,15,16,17,18,19,20)	1
H(2,4,5,6,7,9,10,11,12,13,14,15,16,17,18,19,20, 21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44	1
21,22,23,24,25,26,21,26,29,30,31,32,33,34,33,36,31,36,39,40,41,42,43,44 1,45	1
46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63),	
1(2,3,4,6,7,9,49,50,	
51,52,53,54,55,58,59,61), J(28,54)	I
01,02,00,01,00,00,01,01,0120,011	4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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## 7/8

Positive bacteriophages	
	I Bacteria
	Jackona
·	
A52, C(33,55,62,63), D17,42, E(40,42,43), F(5,6,7,11,12,17,21,41,49,53),	127
G13, I(12,13,14,17,18,20,21,22,25,26,27,30,31,32,34,37,38,39,41,42,43)	1
	6736152
	S.aureus
A(5,27), C(16,33,37,55,62,63), D(5,17,42), E(40,42), F(5,6,7,11,12,15,17,21,	125
41,49), G13,	
I(12,13,14,15,17,18,20,21,22,25,26,27,30,31,32,34,37,38,39,41,	6736152
42,43,48)	S.aureus
A43, B(12,17,23), D58, E41, F(61,62,63),	111
G(2,3,4,5,6,7,9,10,12,16,17,19,20,21	1
23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,,45,46,47,	6736151
48,	S.aureus
49,50,51,52,53,54,55,56,57,58,59,60,61,62,63),	
1(2,3,4,6,7,9,49,50,52,53,54,55	
56,58,59,61,63), J(28,41,54)	1
1 /5(4,9,9,7,11,14,14,19,19,19,19,23,20,29,30,30,51,52,53,54,55,56)	1 17
<b>A</b> (2,3,6,7,11,12,14,15,16,19,23,28,29,30,50,51,52,53,54,55,56), <b>B</b> (25,27,50,51,	47
<b>B</b> (25,27,50,51,	6736150
<b>B</b> (25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63),	1
<b>B</b> (25,27,50,51,   52,53,54,55,56,58,59,60,61,62,63),   <b>C</b> (2,3,5,10,11,12,14,15,16,17,18,19,22,23,	6736150
<b>B</b> (25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63),	6736150
<b>B</b> (25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), <b>C</b> (2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8,	6736150
<b>B</b> (25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), <b>C</b> (2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63),	6736150
<b>B</b> (25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), <b>C</b> (2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8,	6736150
<b>B</b> (25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), <b>C</b> (2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63), <b>D</b> (2,3,4,5,6,7,10,11,12,14,15,18,23,28,29,31,35,36,38,50,51,54,61,62,63), <b>E</b> (2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,29	6736150
<b>B</b> (25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), <b>C</b> (2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63), <b>D</b> (2,3,4,5,6,7,10,11,12,14,15,18,23,28,29,31,35,36,38,50,51,54,61,62,63), <b>E</b> (2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,29	6736150
B(25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), C(2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63), D(2,3,4,5,6,7,10,11,12,14,15,18,23,28,29,31,35,36,38,50,51,54,61,62,63), E(2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,29 30,31,32,33,34,35,37,40,45,47,56,59,63), F(13,26,27,28,31,32,33,39,43,56).	6736150
<b>B</b> (25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), <b>C</b> (2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63), <b>D</b> (2,3,4,5,6,7,10,11,12,14,15,18,23,28,29,31,35,36,38,50,51,54,61,62,63), <b>E</b> (2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,29	6736150
B(25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), C(2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63), D(2,3,4,5,6,7,10,11,12,14,15,18,23,28,29,31,35,36,38,50,51,54,61,62,63), E(2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,29 30,31,32,33,34,35,37,40,45,47,56,59,63), F(13,26,27,28,31,32,33,39,43,56), G13, I(10,12,15,18,20,22,25,35,38,41), J(12,15,16,26,33,35,36,38,39,53)	6736150 S.aureus
B(25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), C(2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63), D(2,3,4,5,6,7,10,11,12,14,15,18,23,28,29,31,35,36,38,50,51,54,61,62,63), E(2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,29 30,31,32,33,34,35,37,40,45,47,56,59,63), F(13,26,27,28,31,32,33,39,43,56), G13, I(10,12,15,18,20,22,25,35,38,41), J(12,15,16,26,33,35,36,38,39,53)  A27, B51, C(33,62,63), D(17,42), E(14,40,42,43), F(5,6,7,11,12,15,17,21,30)	6736150 S.aureus
B(25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), C(2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63), D(2,3,4,5,6,7,10,11,12,14,15,18,23,28,29,31,35,36,38,50,51,54,61,62,63), E(2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,29 30,31,32,33,34,35,37,40,45,47,56,59,63), F(13,26,27,28,31,32,33,39,43,56), G13, I(10,12,15,18,20,22,25,35,38,41), J(12,15,16,26,33,35,36,38,39,53)  A27, B51, C(33,62,63), D(17,42), E(14,40,42,43), F(5,6,7,11,12,15,17,21,30,41,47,49,53), G13, I(12,13,14,17,18,20,22,25,26,27,30,31,32,34,37,38,39,41)	6736150 S.aureus 44 6736150
B(25,27,50,51, 52,53,54,55,56,58,59,60,61,62,63), C(2,3,5,10,11,12,14,15,16,17,18,19,22,23, 24,25,26,27,27,30,32,34,35,36,37,38,42,44,45,46,47,48,49,51,52,54,55,56,5 8, 59,60,61,62,63), D(2,3,4,5,6,7,10,11,12,14,15,18,23,28,29,31,35,36,38,50,51,54,61,62,63), E(2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,29 30,31,32,33,34,35,37,40,45,47,56,59,63), F(13,26,27,28,31,32,33,39,43,56), G13, I(10,12,15,18,20,22,25,35,38,41), J(12,15,16,26,33,35,36,38,39,53)  A27, B51, C(33,62,63), D(17,42), E(14,40,42,43), F(5,6,7,11,12,15,17,21,30,42), E(14,40,42,43), E(14	6736150 S.aureus



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Bacteria API#	Positive reactive bacteriophages
PS 42E 6736150 S. aureus	C(22,32,40,45,52,61,62),D(5,12,14,17,42,44,47), E(14,20), F(6,7,41,47,53), I(14,15,28,27,38,37,43,47), J(38,39)
PS 71 6536150 S. camosus	J2
PS RG 6516150 S. hyicus	B(19,20,21,28), F(25,36,44,53,54,61), G18, H(48,50), J(45,52)
PS 81 6736150 S. aureus	A43, B(12,17,23), C9, D(40,41)
PS 96 6736130 S. aureus	B10, D34
67 6717662 S. chromogenes	F2, H33
121 6736452 S. <i>xyl</i> osus	F(25,36), G18, H50, I48. J45
73 6516111 S. hyicus	F(25,36), G18, H50, J(45,52)